

Converting Colors

XYZ(36.1306, 29.1692, 52.8899)

Have a look what the booklet for
XYZ(36.1306, 29.1692, 52.8899)
contains.

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Color

**XYZ(36.0766, 29.1654,
53.0183)**

Conversions

Conversions Part 1

Format	Color
Hex	B481BF
RGB	180, 129, 191
RGB Percent	71%, 51%, 75%
CMY	0.2941, 0.4941, 0.2510
CMYK	0.06, 0.32, 0.00, 0.25
HSL	289°, 33%, 63%
HSV	289°, 32%, 75%
XYZ	36.0766, 29.1654, 53.0183
YIQ	151.3170, 10.4940, 30.0940

Conversions

Conversions Part 2

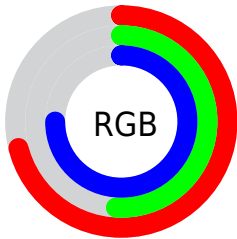
Format	Color
R_{YB}	180, 129, 191
Decimal	11829695
CIE _{Lab}	60.93, 30.44, -24.71
CIE _{LCh}	61, 39.205, 320.927
Yxy	29.1654, 0.3051, 0.2466
Android (android.graphics.Color)	4290019775 (0xFFB481BF)
YUV	151.3170, 19.5637, 25.1550
Hunter-Lab	54.0050, 24.7334, -20.4032

Details

The XYZ color **36.0766, 29.1654, 53.0183** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **33.4095, 44.4228, 27.5839**, and the grayscale version is **29.4676, 31.0022, 33.7614**.

A 20% lighter version of the original color is **68.8018, 58.6488, 96.5010**, and **15.9155, 11.8337, 25.1122** is the 20% darker color. If you saturate the color by 10%, you get **33.0130, 24.1944, 52.2207**, and if you desaturate by 10%, it is **39.6317, 35.0893, 53.9748**.

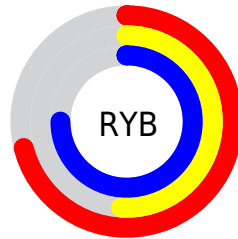
Distribution



Red (71%)

Green (51%)

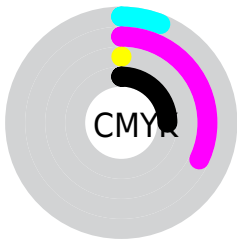
Blue (75%)



Red (71%)

Yellow (51%)

Blue (75%)

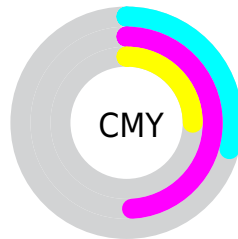


Cyan (6%)

Magenta (32%)

Yellow (0%)

Black (25%)



Cyan (29%)

Magenta (49%)


Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.0766, 29.1654, 53.0183 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 36.0766, 29.1654, 53.0183 by changing the saturation by 10% instead.


 36.0766, 29.1654,
53.0183


 36.0766, 29.1654,
53.0183

320.7206,
297.9946, 415.4236


 24.6637, 19.2060,
37.4296


 68.4734, 58.3398,
96.0731

 15.9541, 11.8192,
25.2419


 90.1880, 78.3235,
124.3763

 9.5823, 6.6207,
16.0367


 116.0673,
102.4175, 157.7546

 5.1830, 3.2260,
9.3955

146.4765,
131.0061, 196.6268

 2.3909, 1.2509,
4.8997

181.7812,
164.4737, 241.4112

 0.8406, 0.1027,
2.1308

222.3465,

 0.0000, 0.0000,

203.2047, 292.5264

0.6340

268.5378,
247.5835, 350.3911

■ 0.0000, 0.0000,
0.0000

■ 36.0766, 29.1654,
53.0183

■ 36.0766, 29.1654,
53.0183

■ 33.0130, 24.1944,
52.2207

■ 39.6317, 35.0893,
53.9748

■ 30.4115, 20.1201,
51.5714

■ 43.6997, 42.0109,
55.0964

■ 28.2443, 16.8858,
51.0614

■ 48.3042, 49.9765,
56.3912

■ 26.4788, 14.4272,
50.6798

■ 53.4667, 59.0287,
57.8664

■ 25.0781, 12.6701,
50.4145

■ 59.2071, 69.2074,
59.5285

■ 23.9977, 11.5262,
50.2507

■ 65.5445, 80.5506,
61.3840

■ 23.3308, 10.9411,
50.1729

■ 69.9899, 88.0798,
62.6029

■ 70.9273, 88.5631,
62.6468

■ 71.8850, 89.0568,
62.6916

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



31.3833, 29.1654, 65.9892



36.0766, 29.1654, 53.0183



38.6084, 29.1654, 36.4070

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



36.0766, 29.1654, 53.0183



29.3005, 29.1654, 11.2753



19.5136, 29.1654, 42.9137

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



36.0766, 29.1654, 53.0183



33.4095, 44.4228, 27.5839

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



19.1006, 29.1654, 27.5193



36.0766, 29.1654, 53.0183



24.3550, 29.1654, 12.0470

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



36.0766, 29.1654, 53.0183



34.3919, 29.1654, 14.5272



20.7665, 29.1654, 17.1080



21.9735, 29.1654, 59.0189

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



36.0766, 29.1654, 53.0183



38.5395, 29.1654, 26.7116



20.7665, 29.1654, 17.1080



19.1438, 29.1654, 37.3989

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



36.0775, 29.1667, 53.0189



80.0764, 78.3547, 99.1826



27.8902, 27.2936, 53.0889



17.3368, 16.7805, 21.7105



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



36.0775, 29.1667, 53.0189



60.5990, 45.6946, 93.9052



36.7227, 29.7324, 42.5159



9.7594, 9.6084, 12.0124



15.3937, 7.2218, 32.9755



0.6472, 0.3057, 1.2937

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



34.0707, 28.6716, 28.5508



56.5970, 44.7607, 42.7018



33.0807, 44.0877, 35.0480



9.5974, 9.5633, 10.2691



14.3304, 7.3633, 1.7677



0.5828, 0.2970, 0.1825

Previews

White Background



This preview shows how the XYZ color 36.0766, 29.1654, 53.0183 looks on a white background.

Color Contrast Check

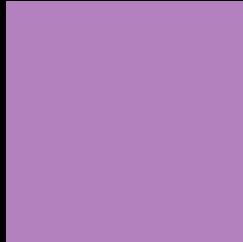
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 36.0766, 29.1654, 53.0183 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

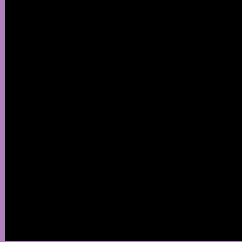
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.0766, 29.1654, 53.0183

Background



This preview shows how black text looks on a background with the XYZ color 36.0766, 29.1654, 53.0183.



This preview shows how white text looks on a background with the XYZ color 36.0766, 29.1654,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

36.0766, 29.1654, 53.0183

Protanopia

30.1108, 29.3084, 60.5700

Deuteranopia

30.0177, 29.4571, 51.6806



Tritanopia

31.7465, 29.0281, 31.9467

Trichromacy



Original Color

36.0766, 29.1654, 53.0183

Protanomaly

31.7542, 28.8847, 57.9345

Deuteranomaly

31.9355, 29.1079, 52.0793

Tritanomaly

33.1304, 28.9606, 38.9658

Monochromacy



Original Color

36.0766, 29.1654, 53.0183

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

31.6057, 30.0795, 40.2165

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.0766, 29.1654, 53.0183 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(180, 129, 191)` looks like.

```
.text, #text, p{  
    color:rgb(180, 129, 191)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(180, 129, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 129, 191) }
```

Border

The CSS property to change the border of an element to XYZ 36.0766, 29.1654, 53.0183 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(180, 129, 191) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(180, 129, 191) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(180, 129, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 129, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 129, 191);  
box-shadow:4px 4px 4px 4px rgb(180, 129,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 36.0766, 29.1654, 53.0183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 129, 191) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(180,  
129, 191) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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